



## Important!

To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustments should be performed by Black & Decker Service Centers or other qualified service organizations, always using Black & Decker replacement parts. Black & Decker's full two year home use warranty states that, in case of a defect, you may return the tool to the place of purchase for a free replacement (if it is a participating retailer) or you may take it to a Black & Decker Service Center.

## Home Use Warranty (A Full Two Year Warranty)

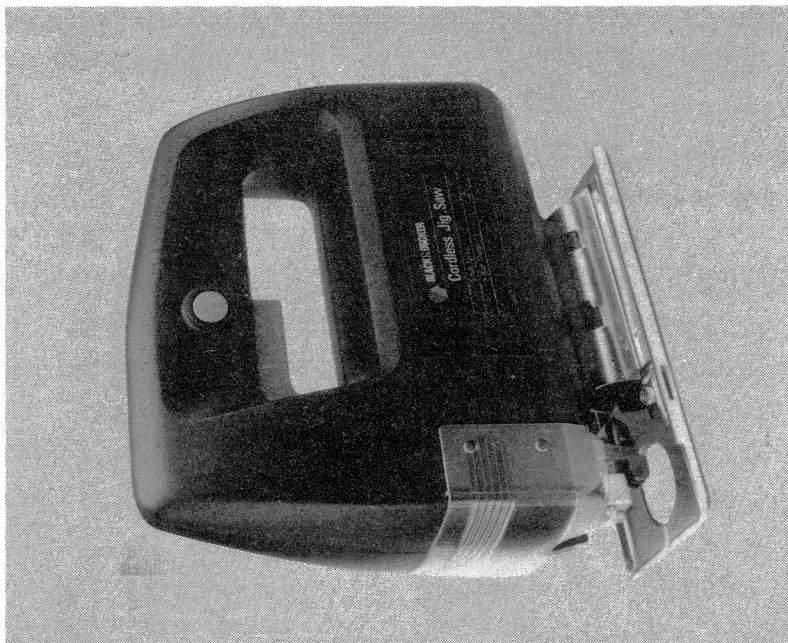
Black & Decker (U.S.) Inc. warrants this product for two years against any defects that are due to faulty material or workmanship. Please return the complete unit, transportation prepaid, to the seller (if a participating retailer) for free replacement (proof of purchase may be required). The unit may also be returned to a Black & Decker Service Center or Authorized Service Station, listed under "Tools, Electric" in the yellow pages for free replacement or repair at our option. This warranty does not apply to accessories. This warranty gives you specific legal rights and you may have other rights which vary from state to state. Should you have any questions, contact your nearest Black & Decker Service Center Manager.

Like most Black & Decker tools, this tool is listed by Underwriters' Laboratories to ensure that it meets stringent safety requirements.

This symbol on the name plate means the product is listed by Underwriters' Laboratories, Inc.



See "Tools-Electric"  
— Yellow Pages —  
for Service & Sales



# Instruction Manual

## Cordless Jig Saw 9011

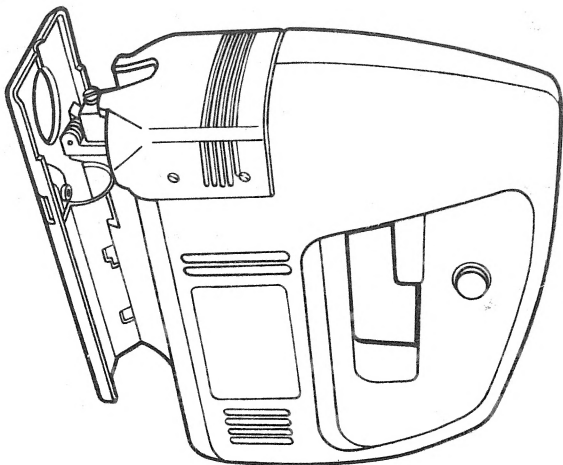
PART No. 830860

**BLACK & DECKER**

BLACK & DECKER (U.S.) INC., U.S. Power Tools Group, 10 North Park Drive, P.O. Box 798, Hunt Valley, MD 21030-0798 U.S.A.

Form No. 741385

(Dec 87-2) ©1987 Printed in England



# Thanks for buying a Black & Decker Cordless Jig Saw.

Your new CORDLESS JIG SAW is very versatile. It offers the ultimate in convenience and electrical safety. You can forget the electrical outlet, forget the cord and take your CORDLESS JIG SAW anywhere.

For safe and efficient operation of your new CORDLESS JIG SAW, please take the time to read all the safety rules

and operating instructions. Be aware that this is always in an operating condition, because it is battery powered and does not have to be plugged into an electrical outlet.

Don't forget to send in your owner's registration card.

Thanks again for buying Black & Decker.



## Important Safety Instructions

**WARNING:** When using Cordless Tools, basic safety precautions should always be followed to reduce risk of fire, shock, and personal injury, including the following:

### READ ALL INSTRUCTIONS

1. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite injuries.
2. **CONSIDER WORK AREA ENVIRONMENT.** Don't expose power tools to rain. Don't use power tools in damp or wet locations. Keep work area well lit.
3. **GUARD AGAINST ELECTRIC SHOCK.** Prevent body contact with grounded surfaces. For example, pipes, radiators, ranges, refrigerator enclosures.
4. **KEEP CHILDREN AWAY.** All visitors should be kept away from work area. Do not let visitors contact tool or extension cord.
5. **STORE IDLE TOOLS.** When not in use, tools should be stored in dry, and high or locked-up place—out of reach of children.
6. **DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was intended.
7. **USE RIGHT TOOL.** Don't force small tool or attachment to do the job of a heavy-duty tool. Don't use tool for purpose not intended, for example, don't use circular saw for cutting tree limbs or logs.
8. **DRESS PROPERLY.** Do not wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
9. **USE SAFETY GLASSES.** Also use face or dustmask if cutting operation is dusty.
10. **SECURE WORK.** Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.
11. **DON'T OVERREACH.** Keep proper footing and balance at all times.
12. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for better and safe performance. Follow instructions for lubricating and changing accessories. Keep handles dry, clean, and free from oil and grease.
13. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
14. **AVOID UNINTENTIONAL STARTING.** Don't carry tool with finger on trigger.
15. **STAY ALERT.** Watch what you are doing. Use common sense. Do not operate tool when you are tired.
16. **CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by authorized service center. Do not use tool if switch does not turn it on and off.
17. **DO NOT OPERATE** tools near flammable liquids or in gaseous or explosive atmospheres. Motors in these tools normally spark, and the sparks might ignite fumes.

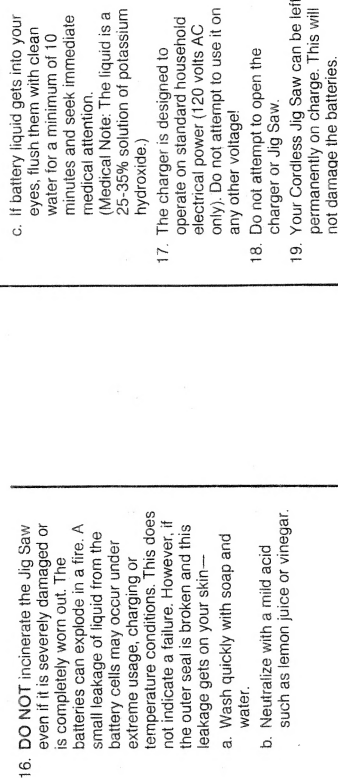
SAVE THESE INSTRUCTIONS FOR FUTURE USE

that extension cord is properly  
wired and in good condition;  
that wire size is large enough  
for AC ampere rating of  
larger as specified in Table 1  
(see Table that follows).

AC Input Rating Amperes**	AWG*
Equal to	Length of Cord, Feet
or	
greater	25 50 100 150
than	
1	2 18 18 18 16
2	3 18 18 16 14
3	4 18 18 16 14

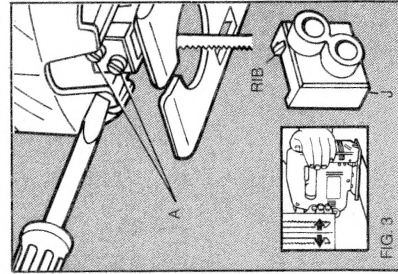
$$\frac{1250 \text{ watts}}{125 \text{ volts}} = 10 \text{ amperes}$$

9. Do not operate charger with damaged cord or plug — have them replaced immediately by a qualified service center.
10. Do not operate charger if it has received a sharp blow, been dropped, or otherwise damaged in any way; take it to a qualified Black & Decker Service Center.
11. Do not disassemble charger; take it to a qualified Black & Decker Service Center when service or repair is required. Incorrect reassembly may result in a risk of electrical shock or fire. There are no consumer serviceable parts inside.
12. To reduce risk of electric shock, unplug charger from outlet before cleaning.
13. **NEVER** attempt to connect 2 Chargers together.
14. Do NOT store the Tool in locations where the temperature may reach or exceed 105°F (such as outside sheds or metal buildings in summer).
15. Do NOT charge Jig Saw when it or air temperature is **BELOW**



7. If stored without the charger plugged in the batteries may slowly self discharge. Normal charging will make the jig saw ready for use.
8. After prolonged storage or repetitive use the batteries may appear to have reduced capacity. If this occurs adopt the following procedure:

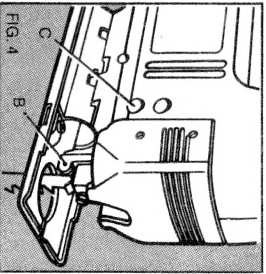
**NOTE:** When using this alternative clamp, the blade support roller must be adjusted away from the blade. Loosen the slot headed screw on the side of the saw (C) (Figure 4), adjust the roller back as far as it will go and retighten the screw.



## Blade Support Roller (Figure 4)

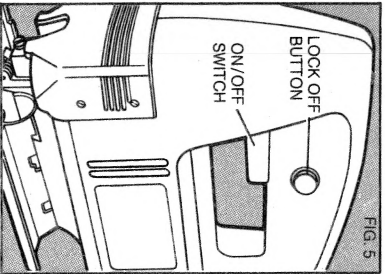
To provide greater blade support this saw is also fitted with a blade support roller. This improves the cutting performance when the saw is used on tougher materials. Each time the saw blade is changed the blade support roller must be adjusted up to rear of the blade. To do this loosen the slot headed screw on the side of the saw (C) (Figure 4) and adjust the blade support roller so that it LIGHTLY touches the back of the saw blade with the tool running at no load. Relighten the screw.

NOTE: When using a scrolling blade, adjust the Support Roller back (away from the blade) as far as possible.



## Switch Operation (Figure 5)

To operate the tool, first press-in the lock off button (Figure 5), and then pull up the on/off switch. Once the on/off switch is released, the unit will cease to operate.



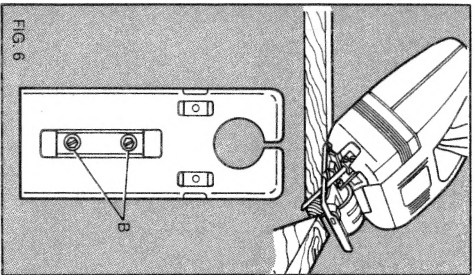
## Adjusting the Shoe (Figure 6)

### CUTTING ANGLE

The jig saw shoe can be angled relative to the body of the unit from 0°-45° on either side. To achieve this, raise the chip shield, loosen both screws marked B in Figure 6 and tilt the saw to the required angle relative to the shoe. The edge of the motor housing is the line for the required angle. Tighten both screws marked B to secure the shoe at that angle. Although the set scale on the shoe is accurate for most purposes it is advisable, for very accurate angle cutting to check the angle of cut with a protractor. For flush cutting the shoe should be locked in the 0° position by moving it backwards and tightening both screws marked B. To reset the shoe for a square cut, slacken the clamp screws and move the shoe until it is approximately 30° to the blade, and then, while applying slight forward pressure on the shoe, relighten the clamp screws.

### SPLINTER CONTROL

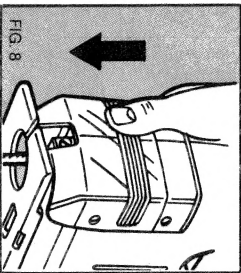
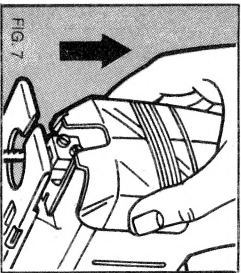
When sawing brittle or thin pieces of wood, splintering can be reduced by moving the shoe to support the wood at the point of cut. To achieve this, loosen both screws marked B in Figure 6 and move the shoe as far back as it will go. Tighten both screws marked B to secure the shoe.



## CHIP SHIELD (Figure 7 and 8)

As an added feature, your cordless Jig Saw is fitted with a chip shield. To operate the shield, simply press on the front surface and slide it up (Figure 7) or down (Figure 8) as far as it will go.

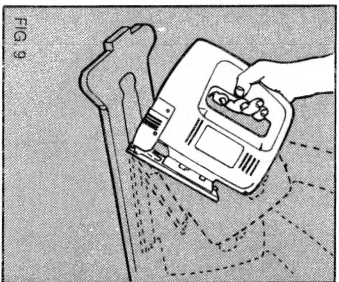
NOTE: When cutting in an angle, always keep the chip shield in the 'up' position.



## Operation

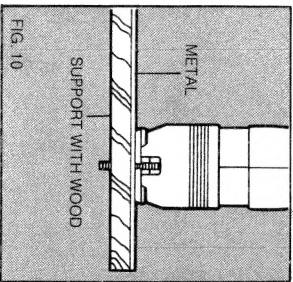
### POCKET CUTTING (Figure 9)

The saw blade can be inserted directly into a wood surface without first drilling a pilot hole (Figure 9) thus eliminating a drilling operation. First measure and clearly mark the surface to be cut. Then tip the saw forward so that the rounded tips of the shoe rest on the work surface, but with the blade well clear of it. Switch the saw ON and move it in its 'tilled-up' position until the moving blade is exactly over the chosen point of entry. Lower the rear of the shoe toward the work maintaining a firm pivoting pressure on the shoe tips with the blade exactly on the line. DO NOT MOVE THE SAW FORWARD ALONG ITS CUT until the saw blade has completely entered the material and the shoe comes to rest flat on its surface.



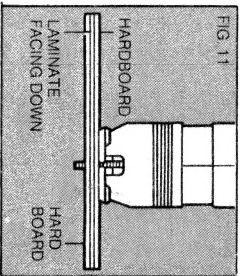
## METAL AND LAMINATED CUTTING (Figure 10)

The cordless saw can be used for cutting light gauge metals such as copper, brass aluminum etc. It is advisable when cutting thin sheet metal to clamp a backing sheet of soft wood or plywood to the work, as this will enable you to obtain a clean cut without vibration and the possibility of tearing the metal. Both metal and wood backing are sawed together. Do not force the cutting blade into the metal as this will reduce the life of the blade and possibly damage the motor. Cutting thin metal will take longer than cutting even a relatively thick piece of wood, so do not be tempted to speed up the operation by forcing the saw. Spread a thin film of cutting oil along the proposed cutting line before commencing to saw metal. Always select the right blade for the job (consult accessory table).



## CUTTING LAMINATES (Figure 11)

The blades of the cordless saw cut on the upstroke so any tendency for edge splintering will occur on the face of the material nearest the saw shoe. When sawing thin wood or plastic laminates use a fine tooth metal cutting blade and cut from the back surface of the material. To minimize the risk of chipping the edges of plastic laminate (such as Formica, Waretite, etc.), clamp a piece of scrap wood or hardboard to both sides of the laminate to form a sandwich, and saw through the complete assembly. Always select the right blade for the job (consult accessory table).



## Cleaning and Lubrication

Use only mild soap and a damp cloth to clean the tool. Other cleaners contain chemicals which could seriously damage the plastic. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.

Sell-lubricating bearings are used in the tool and periodic relubrication is not required. In the unlikely event that this tool should require service, take or send it to your local Black & Decker Service Center. Service Center addresses are listed on the owner's registration card packed with your tool.

## Storage

1. The best storage place is one that is cool and dry — away from direct sunlight, heating pipes and ducts, furnaces, etc.

2. Best storage temperature is approximately +50°F. Do not store where temperatures may go below +40°F or above +90°F. Avoid

storage in outside metal built where the temperature could above +120°F in summer, a could damage the Jig Saw. 3. Long storage will not harm the Saw or Charger. Under the conditions (given above) the be stored for 5 years or more without harm.

## Accessories

The accessories listed in the manual are available at extra cost from your local dealer or Black Decker Service Center. A complete listing of service centers is included on the owner's registration card packed with your tool.

If you need assistance in any accessory, please contact Black & Decker (U.S.) Inc. User Services Department U.S. Power Tools Group P.O. Box 857

10 North Park Drive Hunt Valley, MD 21030-08

Recommended Accessory: your tool are shown in this manual. The use of any other Accessory Attachment might be hazardous strongly recommend that you purchase Safety Glasses which should be worn when using all Cordless Jig Saw Accessories. Following Accessories should be only in the sizes specified below

**REGULAR CUTTING BLADE**  
Rough, straight cuts in wood  
3 1/2 in. long 3 1/2 in. long 3 1/2 in. long  
7 or 10 teeth per inch 7 teeth per inch 7 teeth per inch

**SPECIALTY CUTTING BLADE**  
Flush wall, joint cut, knife edge special materials  
3 1/2 in. long 3 in. long 3 1/2 in. long  
7 teeth per inch 7 teeth per inch 7 teeth per inch

**RIP FENCE**  
For straight ripping

**FINISH CUTTING BLADES**  
Straight or scroll cuts in wood, laminates  
3 in. long 3 in. long 3 in. long  
20 teeth 10 teeth 10 teeth per inch per inch per inch

**METAL CUTTING BLADES**  
Cuts through ferrous and non-ferrous metals  
3 in. long 3 in. long 3 in. long  
32 teeth per inch 24 teeth per inch 24 teeth per inch